

103519 and 103520—Continued.

103519. *ANNONA BULLATA* A. Rich. *Annonaceae*.

A tree, native to Cuba, which is related to the sugar-apple and appears to be unusually well adapted to dry soils. The aromatic leaves are used to season stews, and the small, scaly, ovoid-cordiform, scarcely edible fruits, which mature in July, are eaten by pigs.

For previous introduction see 102622.

103520. *MIMUSOPS ROXBURGHIANA* Wight. *Sapotaceae*.

A large tree, native to India, with broadly elliptic leathery leaves 3 to 4 inches long. The small white axillary flowers are followed by subglobose shining yellow fruits less than an inch in diameter.

103521. *PONCIRUS TRIFOLIATA* (L.) Raf. Rutaceae. Hardy orange.

From China. Seeds collected in Lushan, Kiangsi Province, and presented by A. N. Steward, University of Nanking. Received May 10, 1933.

Introduced for the use of Department specialists.

103522. *HYPARRHENIA HIRTA PUBESCENS* (Vis.) Sims. Poaceae.

From Algeria. Seeds presented by Dr. R. Maire, Government General de l'Algerie Service Botanique, Algiers. Received July 24, 1933.

Hemar. A coarse perennial caespitose grass, native to tropical and northern Africa, with fibrous roots and branching culms about 3 feet high. Introduced for the use of Department specialists.

103523 to 103526. *NOTHOFAGUS* spp. Fagaceae.

From New Zealand. Seeds presented by the director of forestry, State Forest Service, Wellington. Received July 25, 1933.

Seeds of trees native to New Zealand, collected at Whangamoa, Nelson, between 600 and 1,200 feet altitude.

103523. *NOTHOFAGUS FUSCA* (Hook. f.) Oerst.

An evergreen tree over 100 feet high, with zig-zag branchlets, broadly ovate, coarsely dentate leaves 1 to 2 inches long, and clusters of small nutlets resembling beechnuts.

For previous introduction see 77460.

103524. *NOTHOFAGUS MENZIESII* (Hook. f.) Oerst.

An evergreen tree which becomes 80 feet high and 5 feet in diameter, with white, silvery bark, roundish, doubly crenate, leathery leaves less than an inch long, and small fruits resembling beechnuts.

For previous introduction see 77461.

103525. *NOTHOFAGUS SOLANDRI* (Hook. f.) Oerst. *Solander's beech*.

A forest tree up to 100 feet high, with small leaves less than an inch long and fruits resembling small beechnuts. This is the most abundant of the New Zealand beeches, forming immense forests on the drier mountain slopes.

103526. *NOTHOFAGUS TRUNCATA* Hort.

Clinker beech. Said to be closely related to *Nothofagus fusca*.

103527 to 103553. *TRITICUM* spp. Poaceae. Wheat.

From Australia. Seeds presented by H. Wenholtz, director of plant breeding, Department of Agriculture, Sydney, New South Wales. Received July 25, 1933.

103527 to 103553—Continued.

A collection of wheats which have proved to have some resistance to leaf rust under Australian conditions. Introduced for the use of Department specialists.

103527 to 103551. *TRITICUM AESTIVUM* L. (*T. vulgare* Vill.). Common wheat.

103527. *Artigas*. C. 6193.

103528. *Bladette de Besplas*. C. 6148.

103529. *Bordeaux*. C. 6140.

103530. *Cedric*. C. 3909.

103531. *Currimp*. C. 4429.

103532. *Dindiloa*. C. 4990.

103533. *Dookie Gamma*. C. 6409.

103534. *Hatit Inversable*. C. 4206.

103535. *Heine's Kolben*. C. 5137.

103536. *Hornblende*. C. 24.

103537. *Janetzki*. C. 5138.

103538. *John Brown*. C. 12.

103539. *Kenya crossbred*. C. 6040.

103540. *Kenya crossbred*. C. 6042.

103541. *Kenya Governor*. C. 4089.

103542. *Paix*. C. 6147.

103543. *Potenziani*. C. 6136.

103544. *Preparateur Etienne*. C. 6141.

103545. *Reraf*. C. 35.

103546. *Roussillon*. C. 6143.

103547. *Russian* (062). C. 5247.

103548. *Saisette*. C. 6149.

103549. *S. H. J.* C. 3157.

103550. *Varonne*. C. 6146.

103551. *Warchief*. C. 3910.

103552 and 103553. *TRITICUM DURUM* Desf. Durum wheat.

103552. *Durity*. C. 6406.

103553. *Durity*. C. 6408.

103554 to 103579. *CITRUS* spp. Rutaceae.

From Morocco. Scions presented by H. Brayard, Directeur de la Station Experimentale, Marrakech. Received July 29, 1933.

Introduced for the use of Department specialists.

103554 to 103558. *CITRUS LIMONIA* Osbeck. Lemon.

103554. No. 15. *Bernia*.

103555. No. 16. *Corregia*.

103556. No. 17. *De Ba Ahmed*.

103557. No. 13. *Des 4 saisons*.

103558. No. 14. *Panache*.

103559 to 103563. *CITRUS NOBILIS DELICIOSA* (Ten.) Swingle. Mandarin orange.

103559. No. 2. *Commune*.

103560. No. 1. *De Ba Ahmed*.

103561. No. 3. *De Valence*.

103562. No. 5. *Naranjo mandarine*.

103563. No. 4. *Sanguine*.